

STIC Search Report

STIC Dalabase Transmission of the state of t

TO: Tania Courson

Location: 6028

Art Unit: 2859

Tuesday, April 26, 2005

Case Serial Number: 10/612199

From: Irina Speckhard

Location: EIC 2800

JEFF-4B59

Phone: (571) 272-2554

irina.speckhard@uspto.gov

Search Notes

Examiner Courson,

Please find attached Fast and Focused prior-art search results from the patent and non-patent abstract and full-text databases. The search did not locate many relevant references, you are welcome to submit a request for a regular full text search.

Thank you,

Irina Speckhard



	151725
SEARCH REQUEST FORM	Scientific and Technical Information Center - EIC2800

Rev. 3/13/2004 Inis is an	experimental format	Please give suggestion	ns or comments to Jeff	Harrison, JEF-4E	368, 272-2511.
Date 4/26/05	Serial # <i>10 </i>	6/2,199	Priority Applica	ation Date	
Your Name	ison,	Taxia	Exam	niner # <u>79</u> 0	136
au <u>2859</u>	Phone		Room		
n what format would you	like your results?	Paper is the default	PAPER	DISK	EMAIL
f submitting more than	one search, ples	sse prioritize in ord	er of need.		
The EIC searcher norms with a searcher for an in	ily will contact y teractive search	vou before beginnir , please notify one	of the searchers.	oh. If you we	ould like to alt
Where have you searc	hed so far on t	his case?			
Circle: USPT Other:	DWPI	EPO Abs	JPO Abs	IBM	TDB
What relevant art have			h pertinent citati	ons or	
What types of reference	ces would you	like? Please chec	kmark:		•
Primary Refs	Nonpatent	Literature	•		
Secondary Refs	Foreign Pa	itents		· · · · · · · · · · · · · · · · · · ·	
Teaching Refs					
opic. Please attach a o					
	5	E & F	tacker	IRE	
	,				
				·	·
					
			' .		
parghan: LOCAL	Type of Sea		Vendors	······································	
7		(#)	STN	^	-
earcher Phone:		phic	Dialog	· · ·	
ate Searcher Picked Up:	PIOS	_	Questel/Orbit		•
ate Completed:	Fulltext_	,	Lexis-Nexis		•
earcher Prep/Rev Time:	Patent Pal	mily	WWW/Internet	makan di samuning kanan jabat da Kabupat ing	ı
nline Time:	Other	cital.	Other		
		-700.			

Query/Command: HIS

File : PLUSPAT

SS Results

1 2 (1) ..FAM US20040255477/PN 2 1 ..CITF US20040255477/PN 3 1 ..CITB US20040255477/PN

Search statement 4

Query/Command: PRT MAX SET

1/2 PLUSPAT - @QUESTEL-ORBIT - image

PN - WO2004113827 A2 20041229 [WO2004113827]

TI - (A2) STUD FINDER

OTI - (A2) DETECTEUR DE CADRE SUPPORT

LA - ENGLISH (ENG)

PA - (A2) GIST LESLIE D (US); LEVINE STEVEN R (US); IRWIN IND TOOL COMPANY (US)

PA0 - IRWIN INDUSTRIAL TOOL COMPANY; 29 E. Stephenson Street, Freeport, IL 61032 (US) (except US)
LEVINE, Steven, R.; 201 Fernbrook Drive, Mooresville, NC 28117 (US) (only US)
GIST, Leslie, D.; 9110 Twin Trail Drive, Huntersville, NC 28078 (US) (only US)

IN - (A2) GIST LESLIE D (US); LEVINE STEVEN R (US)

AP - WOUS2004018739 20040610 [2004WO-US18739]

PR - US46553303 20030618 [2003US-0465533] US61219903 20030701 [2003US-0612199]

IC - (A2) G01B-011/00

EC - G01C-015/00A1

DS AE, AE (utility model), AG, AL, AL (utility model), AM, AM (provisional patent); AM (utility model); AT; AT (utility model); AU; AZ; AZ (utility model); BA; BB; BG; BG (utility model); BR; BR (utility model); BW; BY; BY (utility model); BZ; BZ (utility model); CA; CH, CN; CN (utility model); CO; CO (utility model); CR; CR (utility model); CU (inventor's certificate); CU; CZ; CZ (utility model); DE; DE (utility model); DK; DK (utility model); DM; DZ; EC; EC (utility model); EE; EE (utility model); EG; EG (utility model); ES; ES (utility model); FI; FI (utility model); GB; GD; GE; GE (utility model); GH; GM; HR (consensual patent); HR; HU; HU (utility model); ID; IL; IN; IS; JP; JP (utility model); KE; KE (utility model); KG; KG (utility model); KP (inventor's certificate); KP; KP (utility model); KR; KR (utility model); KZ; KZ (provisional patent), KZ (utilit; European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES; FI, FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR); OAPI patent (BF; BJ; CF; CG; CI; CM; GA; GN; GO; GW; ML; MR; NE; SN; TD; TG; BF (utility model); BJ (utility model); CF (utility model); CG (utility model); CI (utility model); CM (utility model); GA (utility model); GN (utility model); GO (utility model); GW (utility model); ML (utility model); MR (utility model); NE (utility model); SN (utility model); TD (utility model); TG (utility model)); ARIPO patent (BW; GH; GM; KE; LS; MW; MZ, NA; SD; SL; SZ; TZ; UG; ZM; ZW); Eurasian patent (AM, AZ; BY; KG; KZ; MD; RU; TJ; TM)

DT - Corresponding document

STG - (A2) Publ. Of int. Appl. W/out int. Search rep

AB - A stud finder for a light generating device, having a surface and a connection structure on the surface to removably mount either a light generating device or a leveling device thereto.

UP - 2004-53

2/2 PLUSPAT - @QUESTEL-ORBIT

PN - WS2004255477 A1 20041223 [US20040255477]

TI - (A1) Stud finder

IN - (A1) GIST LESLIE D (US); LEVINE STEVEN R (US)

AP - US61219903 20030701 [2003US-0612199]

FD - Cont. of: US 10465533 - 20030618 [2003US-0465533] ABANDONED

PR - US61219903 20030701 [2003US-0612199] US46553303 20030618 [2003US-0465533]

IC - (A1) G01C-015/00

EC - G01C-015/00A1

PCL - ORIGINAL (O): 033286000

DT - Basic

STG - (A1) Utility Patent Application published on or after January 2, 2001

AB - A stud finder for a light generating device, having a surface and a connection structure on the surface to removably mount either a light generating device or a leveling device thereto.

UP - 2004-52

Search statement

04/26/2005 10/612,199

SYSTEM: OS - DIALOG OneSearch File 2:INSPEC 1969-2005/Apr W3 (c) 2005 Institution of Electrical Engineers 6:NTIS 1964-2005/Apr W3 File (c) 2005 NTIS, Intl Cpyrght All Rights Res 8:Ei Compendex(R) 1970-2005/Apr W3 File (c) 2005 Elsevier Eng. Info. Inc. File 34:SciSearch(R) Cited Ref Sci 1990-2005/Apr W3 (c) 2005 Inst for Sci Info File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info 35:Dissertation Abs Online 1861-2005/Mar File (c) 2005 ProQuest Info&Learning File 65: Inside Conferences 1993-2005/Apr W4 (c) 2005 BLDSC all rts. reserv. 94:JICST-EPlus 1985-2005/Mar W2 File (c) 2005 Japan Science and Tech Corp(JST) 99:Wilson Appl. Sci & Tech Abs 1983-2005/Mar File (c) 2005 The HW Wilson Co. File 144: Pascal 1973-2005/Apr W3 (c) 2005 INIST/CNRS File 305:Analytical Abstracts 1980-2005/Apr W3 (c) 2005 Royal Soc Chemistry *File 305: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT. File 315: ChemEng & Biotec Abs 1970-2005/Mar (c) 2005 DECHEMA File 350: Derwent WPIX 1963-2005/UD, UM &UP=200526 (c) 2005 Thomson Derwent *File 350: For more current information, include File 331 in your search. Enter HELP NEWS 331 for details. File 347: JAPIO Nov 1976-2004/Dec(Updated 050405) (c) 2005 JPO & JAPIO File 344: Chinese Patents Abs Aug 1985-2004/May (c) 2004 European Patent Office File 371:French Patents 1961-2002/BOPI 200209 (c) 2002 INPI. All rts. reserv.

*File 371: This file is not currently updating. The last update is 200209.

04/26/2005 10/612,199

```
Description
Set
        Items
                AU=(LEVINE, S? OR LEVINE S?)
         4806
S1
               AU=(GIST, L? OR GIST L?)
S2
           16
         4821
                S1:S2
S3
                S3 AND STUD(2N) (FIND?? OR LOCAT???)
S4
           1
                S3 AND ((LIGHT? OR LEVELING)(2N)(GENERAT? OR PRODUC? OR EM-
S5
           17
             IT?) OR LASER? ?)
           15
               RD (unique items)
S6
                S6 AND IC=(G01B-011/00 OR G01C-015/00A1)
S7
                S6 NOT S7
S8
           13
S 9
          503
                STUD(2N) (FIND?? OR LOCAT???)
                (LIGHT? OR LEVELING) (2N) (GENERAT? OR PRODUC? OR EMIT?) OR -
S10
      2747135
            · LASER? ?
               (ROTAT?????? OR ROTAR? OR PIVOT?????? OR SWING?????? OR IN-
      5623975
S11
             CLIN?????? OR TURN?????? OR TILT?????? OR ORBIT?)
S12
        41460
                IC=(G01B-011/00 \text{ OR } G01C-015/00A1)
                SWITCH? OR BUTTON? ? OR PUSH???() (BUTTON? ? OR KNOB? ?) OR
S13
      2144831
             KNOB? ?
                (SECOND OR SECONDARY OR BELOW OR BOTTOM OR LOWER) (2N) SURF-
S14
       347395
             AC???
                (SWITCH? OR BUTTON? ? OR PUSH???() (BUTTON? ? OR KNOB? ?) OR
         9375
S15
              KNOB? ?) (2N) SURFAC?
            5
S16
                S9 AND S10
S17
            5
                RD (unique items)
S18
          163
                S9 AND S11
S19
            6
                S18 AND (LIGHT? OR LEVELING OR LEVELED)
          157
                S18 NOT S19
S20
                RD S19 (unique items)
S21
         . 6
           5
                S21 NOT S16
S22
           0
                S20 AND S12
S23
S24
          11
                S20 AND S13
S25
          11
                RD (unique items)
          146
                S20 NOT S24
S26
            0
                S26 AND S15
S27
S28
            0
                S9 AND S15
S29
           14
                S9 AND S14
       10771
                S14 AND S13
S30
S31
           0
                S30 AND S9
                S9 AND S13
S32
           23
S33
           23
                RD (unique items)
S34
           5
                S33 AND SURFACE???
           5
S35
                RD (unique items)
S36
           18
                S33 NOT S34
S37
            0
                S36 AND S15
           0
                S36 AND S12
S38
S39
          18
                S36
S40
          163
                S9 AND S11
                S40 AND S13
S41
          12
                RD (unique items)
          12
S42
           0
                S42 NOT S16, S19, S24, S32
S43
```

4/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016764265

WPI Acc No: 2005-088541/200510

XRPX Acc No: N05-077250

Stud finder for e.g. leveling device e.g. laser line generator, has connection structure on surface e.g. wall, to removably

mount laser line generator whose output produces fan-shaped beam

Patent Assignee: GIST L D (GIST-I); LEVINE S R (LEVI-I); IRWIN IND TOOL CO (IRWI-N)

Inventor: GIST L D; LEVINE S R

Number of Countries: 108 Number of Patents: 002

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
US 20040255477 Al 20041223 US 2003465533 A 20030618 200510 B
US 2003612199 A 20030701

WO 2004113827 A2 20041229 WO 2004US18739 A 20040610 200510

Priority Applications (No Type Date): US 2003465533 A 20030618; US 2003612199 A 20030701

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040255477 A1 23 G01C-015/00 Cont of application US 2003465533

WO 2004113827 A2 E G01B-011/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR

GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20040255477 A1 Abstract (Basic):

NOVELTY - The finder has a connection structure on a surface e.g. wall, to removably mount either a light generating device or a leveling device e.g. laser line generator (10). The output of the generator produces a fan-shaped beam. The beam propagates along the surface of the wall. The finder is operable when the device is mounted on the surface. The surface has an orifice for receiving a marking pin.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (A) a light generating or a leveling device using ${f stud}$ finder
- (B) an accessory attachment for a light generating device or a leveling device
- (C) a method for finding a concealed feature and aligning objects on a surface
- (D) a kit for a light generating device or leveling with a stud finder.

USE - Used for light generating device and a leveling device e.g. laser line generator and laser alignment device.

ADVANTAGE - The fan-shaped beam enables the laser light to project over and beyond obstacles, such as moldings placed in a doorway, picture frames, wavy or stuccoes surface on an interior wall. The finder with the laser line generator thus allows a user to detect hidden structures behind the surfaces.

SAME SAME INVENTION DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of a laser line generator and a **stud finder** attachment.

Laser line generator (10) Stud finder (100) Housing (101) Latch (106) Forward notch (107) pp; 23 DwgNo 10/15 The finder with the laser line generator thus allows a user to detect hidden structures behind the surfaces.

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of a laser line generator and a stud finder attachment.

Laser line generator (10) Stud finder (100) Housing (101) Latch (106) Forward notch (107) pp; 23 DwgNo 10/15

7/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014969902

WPI Acc No: 2003-030416/200302

XRPX Acc No: N03-024057

Laser alignment line generating device e.g. for building

construction, interior decoration, projects light in fan shape

Patent Assignee: AMERICAN TOOL CO INC (AMTO-N); IRWIN IND TOOL CO (IRWI-N); HOPPER R K (HOPP-I); MALARD F J (MALA-I); POOLE D L (POOL-I); POOLE R N

(POOL-I) LEVINE SR (LEVI-I)

Inventor: HOPPER R K; MALARD F J; POOLE D L; POOLE R N; LEVINE S R

Number of Countries: 101 Number of Patents: 009

Patent Family:

_	accirc rumary.							
E	atent No	Kind	Date	Applicat No	Kind	Date	Week	
W	0 200293108	A1	20021121	WO 2002US14416	Α	20020507	200302	В
U	s 20020178596	A1	20021205	US 2001291135	P	20010515	200304	
				US 2002141392	Α	20020507		
E	P 1393016	A1	20040303	EP 2002731703	Α	20020507	200417	
				WO 2002US14416	Α	20020507		
υ	s 6735879	В2	20040518	US 2001291135	P	20010515	200433	
				US 2002141392	Α	20020507		
υ	s 20040123473	A1	20040701	US 2001291135	P	20010515	200444	
				US 2002141392	A	20020507		
				US 2003734362	Α	20031211		
P	U 2002303665	A1	20021125	AU 2002303665	Α	20020507	200452	
U	s 20040187327	A1	20040930	US 2001291135	P	20010515	200465	
				US 2002141392	Α	20020507		
				US 2003465534	Α	20030618		
		•		US 2003612035	Α	20030701		
				US 2004819543	Α	20040407		
τ	s 20040258126	A1	20041223	US 2003465534	Α	20030618	200504	N
				US 2003612035	Α	20030701		
C	N 1551975	Α	20041201	CN 2002810031	Α	20020507	200516	

Priority Applications (No Type Date): US 2001291135 P 20010515; US 2002141392 A 20020507; US 2003734362 A 20031211; US 2003465534 A 20030618; US 2003612035 A 20030701; US 2004819543 A 20040407 Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes WO 200293108 A1 E 34 G01B-011/26

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

X SAME DOP INVENTION DIFFERENCE INVENTION SIMILAR SIMILAR SAME IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW
US 20020178596 A1 G01C-015/00 Provisional application US 2001291135

EP 1393016 A1 E G01B-011/26 Based on patent WO 200293108
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

US 6735879 B2 G01C-015/00 Provisional application US 2001291135 US 20040123473 A1 G01C-015/00 Provisional application US 2001291135

Cont of application US 2002141392

AU 2002303665 Al G01B-011/26 Based on patent WO 200293108 US 20040187327 Al G01C-015/00 Provisional application US 2001291135

CIP of application US 2002141392 Cont of application US 2003465534 Cont of application US 2003612035 CIP of patent US 6735879

X

US 20040258126 A1 H01s-003/00 Cont of application US 2003465534

CN 1551975 A G01B-011/26

Abstract (Basic): WO 200293108 Al

Abstract (Basic):

NOVELTY - The device has a asymmetric intensity pattern light source, battery and projection lens (24) to **produce** a **light** projection in fan shape. A pair of spirit levels (16,18) is provided in the device outside the housing.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Method of projecting fan-shaped laser light onto surface;
- (2) Lens for receiving and projecting light; and
- (3) Method of aligning object with light beam.

USE - For generating **laser** line for surface alignment e.g. in building construction, interior decoration such as brick laying, hanging pictures and wall decorations, etc., for use by carpenter, painter, interior decorator, etc.

ADVANTAGE - Has its own spirit level for self-horizontal alignment before **laser** projection.

DESCRIPTION OF DRAWING(S) - The figure shows the **laser** line generator perspectively.

Spirit levels (16,18) Projection lens (24) pp; 34 DwgNo 1/11

(Item 1 from file: 6) 8/3,AB/1 DIALOG(R) File 6:NTIS (c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv. 0908199 NTIS Accession Number: AD-D008 538/1/XAB Optical Waveguide Dosimeter (Patent Application) Levine, S.; Kronenberg, S.; Levine, H.; McLaughlin, W. L.; Siebentritt, C. R. Department of the Army, Washington, DC. Corp. Source Codes: 000137000; 109900 Report No.: PAT-APPL-6-267 312 Filed 28 May 81 8p Document Type: Patent Languages: English Journal Announcement: GRAI8122 Government-owned invention available for U.S. licensing and, possibly, for foreign licensing. Copy of application available NTIS. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA. NTIS Prices: PC A02/MF A01 The general object of this invention is to provide a low-cost, portable dosimeter for personnel dosimetry that does not require maintenance and that can be used in civil defense emergencies. A further object of the invention is to provide such a dosimeter that does not require any power source or auxiliary equipment such as a readout device or charger. A still further object of the invention is to provide such a dosimeter that can be stored for long periods and be available instantly for use in case of an emergency. Another object of the invention is to increase the sensitivity of leuko dye dosimetry by several orders of magnitude to make it applicable for emergency personnel dosimetry where doses of 0 to 1000 rads (tissue) are of interest. It has now been found that the foregoing objects can be attained by incorporating a liquid solution of a leuko dye as the core of an optical wave guide. The optical wave guide dosimeter includes the liquid solution of leuko dye hermetically sealed in flexible and transparent plastic tubing. 8/3, AB/2(Item 1 from file: 8) DIALOG(R) File 8:Ei Compendex(R) (c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

02790256

E.I. Monthly No: EIM8909-028613

induced metallization on polyimide from UV-laser eletroplating solution.

Author: Zahavi, J.; Rotel, M.; Katz, D.; Levine, S.

Corporate Source: Technion - Israel Inst of Technology, Haifa, Isr Conference Title: Fourth Israel Materials Engineering Conference IMEC IV

Conference Location: Beer Sheva, Isr Conference Date: 19881207

E.I. Conference No.: 12269

Source: Israel Journal of Technology v 24 3-4, Pt B 1988. p 543-547

Publication Year: 1988

CODEN: ISJTAC ISSN: 0021-2202

Language: English

Abstract: Direct laser metallization of semiconductor substrates immersed in electroplating solution without use of external current or lithography procedures has been reported by several investigators. No major efforts have been devoted to polymeric substrates in this context. Use of

8/3,AB/12 (Item 1 from file: 350) DIALOG(R) File 350: Derwent WPIX (c) 2005 Thomson Derwent. All rts. reserv. 016751081 WPI Acc No: 2005-075359/200508 XRPX Acc No: N05-064850 Swivel base for laser generating device/leveling device, has top connection structure with latching mechanism to mount device, and lower non-mechanical attachment with adhesive strips t its bottom surface for mounting to wall surface Patent Assignee: IRWIN IND TOOL CO (IRWI-N) Inventor: LEVINE S R Number of Countries: 108 Number of Patents: 001 Patent Family: Week Patent No Date Applicat No Kind Date Kind WO 2004113985 A2 20041229 WO 2004US18724 A 20040610 200508 B Priority Applications (No Type Date): US 2003612035 A 20030701; US 2003465534 A 20030618 Patent Details: Patent No Kind Lan Pg Main IPC Filing Notes WO 2004113985 A2 E 43 G02B-007/00 Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW Abstract (Basic): WO 2004113985 A2 Abstract (Basic): NOVELTY - The base has a top connection structure comprising a latch (116) to receive and mount a light generating device/ leveling device. A lower non-mechanical attachment (100) is mounted to the bottom of the top portion, and comprises adhesive strips (109) at its bottom surface to enable mounting to the wall surface. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) light generating device; (2) leveling device; (3) method for aligning objects on a surface; (4) kit for light generating device; and (5) kit for leveling device. USE - Swivelable base for light generating device (claimed) such as laser generating device, and also for leveling device (claimed) such as laser alignment device for aligning surfaces such as walls. ADVANTAGE - The laser generation device generates a fan-shaped beam that is able to propagate along the wall surface and beyond obstacles such as moldings placed in doorways, picture frames. DESCRIPTION OF DRAWING(S) - The figure shows an exploded view of the swivel base. attachment (100) retainer (106) adhesive strips (109) concave recess (112)

latch (116)

nswers.com

Tell me about: stud finder

Your search -- stud finder -- does not match any of our million topics: words, phrases, places, famous people, companies, and more.

Zircon Stud Finders

Sponsored Links

Discounts on Zircon stud finders for finding wood and metal studs www.contractor-books.com

LaserStraight Laser Level

Premium laser level As Seen On TV. Free Stud Finder. Official Site www.laser-straight.com

Web

Results 1 - 10 of about 37,000 for stud finder. (0.21 seconds)

Howstuffworks "How do stud finders work?"

I have an electronic stud finder, and I am amazed at how well it works. How does

it know where the studs are?

http://home.howstuffworks.com/ question271.htm

Stud Finders

In order to do even the most basic repairs or improvements to your electrical

system, you may need to find and isolate the hot wire. http://homerepair.about.com/cs/tools/a/stud finders.htm

Stud Finder - Stanley 47-400 Magnetic

A magnetic stud finder actually finds the nails or screws that are holding the

drywall, lathing or flooring to the studs, joists or beams. http://homerepair.about.com/cs/tools/gr/SFmagnetic.htm

Simple Stud Finder | THIS OLD HOUSE

If you don't have an electronic stud finder, you can locate studs behind drywall

with nothing more than a table lamp.

http://www.thisoldhouse.com/to h/knowhow/solutions/article/0, Stud Finder 16417,212066,00.html

Stud Finders & Sensors

... Laser line automatically levels, stud finder detects studs

through walls up

to 3/4 in. and rubber ... STRAIT-LINE 6041500CD 3/4" Depth Stud Finder 75 ... http://shopping.msn.com/market place.aspx?pmpType=1&pcId=1023 1&catId=2554

Amazon.com: Tools & Hardware: Strait-Line 64020 Stud Finder

... The Stud Finder can be used by itself, but it's a slick duo with ... The Stud Finder is light but rugged and fits nicely in the palm of the hand. ...

http://www.amazon.com/exec/obi dos/tg/detail/-/B0000CCXWH?v=g lance

Sponsored Links

Stanley Laser Tools

Introducing the Complete Line of Stanley Laser and IntelliTools.

www.StanleyTools.com

Buy Stud Finder

Find Measuring & Marking tools at Aubuchon Hardware's new site HardwareStore.com

Strait Line Stud Finder Buy a Strait Line Stud Finder at Tyler Tool. Free Shipping on \$99

www.tylertool.com

Stud Finders and Sensors

Find woodworking supplies, tools, and hardware at Woodworkers Supply. www.woodworker.com

Compare prices on

Tools & Hardware at Pricetool!

www1.PriceTool.com

How to Buy It: Stud Finder - eHow.com

... Are you wondering where you can buy it: Cheap stud finder, high quality stud finder, free stud finder? Well we probably can't help you find it for free, ... http://www.ehow.com/buy 13244 stud-finder.html

STRAIT-LINE Stud Finder 60 Product Information

The Stud Finder can be used independently or in combination with the Laser Level to not just find studs, but to effortlessly mark spots and generate ... http://www.strait-line.com/irw in/consumer/straitline/jhtml/stud_finder_60.jhtml

STRAIT-LINE Stud Finder 150 Product Information

The **Stud Finder** 150 is specifically calibrated for drywall, paneling and floor surfaces, so that no **stud** is left undetected. Suitable for hanging heavy ... http://www.strait-line.com/irw in/consumer/straitline/jhtml/stud_finder_150.jhtml

Shop DoItYourself.com for Stud Finders Measuring Tools Hand Tools ...
Shop for Measuring Tools Stud Finders do it yourself home improvement, decorating, home repair, remodeling, contractors supply, maintenance hardware. http://doityourself.com/store/ studfinders.htm

Result Page:	1	2	3	4	5	6	7	8	9	10	Next

Tell me abo	ut:		Go	
Home About Answers.com Privacy Term	s of Use Te	ell a Friend Ho	ow Do I	Guru Nes 4







Home Order Form

We pay shipping on orders over \$100 within the 48 contiguous US states

Contact Checkout

Abney Levels | Automatic Levels | Calculators | Electronic Levels | Magnetic Locators | Laser Plumb Bob Leveling Rods/Poles | Measuring Tapes | Measuring Wheels | Metal Finders | Optical Levels | Rotary-Lasers | Sighting Levels | Straight-line Lasers | StudSensors | Tape Measures | Test Equipment | Transits-Theodolites | Tripods | Water Levels

<u>Books</u>

Test Equipment

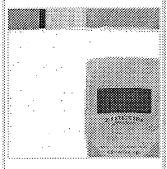
Search Now

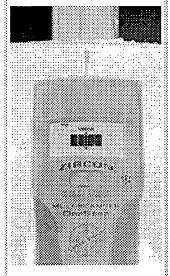
<u>Calculators</u>

Building Codes

NEW! <u>MultiScanner</u> <u>OneStep</u> and <u>TriScanner OneStep</u>

with CenterVision Technology:





The only Studsensors that find the center of studs!



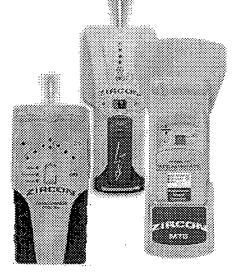
StudSensors

& Electronic Metal Finders (also known as StudFinders)

The ZIRCON Advantage

Zircon Corporation designs, develops, manufactures and markets the largest selling line of high-technology electronic hand tools for professional contractors and home improvement enthusiasts.

Whether you are a beginner or a professional, Zircon electronic tools will take the guesswork, mystery and anxiety out of projects. From the casual home improvement project to the complex

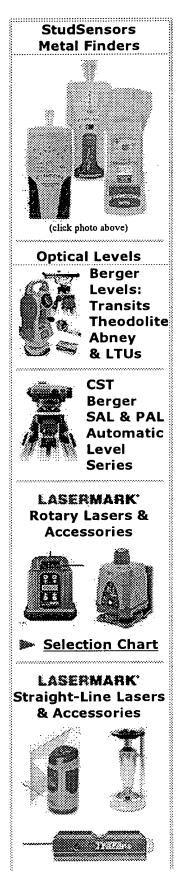


profession contract, Zircon tools offer unmatched advantages—saving time, labor, and money, while providing unsurpassed accuracy.

Click on a Model in the Table below for more information. Click on a Feature (or scroll down the page) for a description

- ** NEW MultiScanner OneStep with CenterVision Technology
- ** NEW TriScanner OneStep with CenterVision Technology

Model:	StudScan Depth	<u>TruCal</u>	OTS Warning	 SpotLite System	AC Wire Warning	AC Scan
	1					



StudSensor SL	.75 in.	Yes	Yes	Yes	Yes	No	No	No
StudSensor Pro SL	1.5 in.	Yes	Yes	Yes	Yes	No	No	No
StudSensor Pro SL AC	1.5 in.	Yes	Yes	Yes	Yes	Yes	No	No
TriScanner Pro SL	1.5 in.	Yes	Yes	Yes	Yes	Yes	3 in	No
TriScanner OneStep	1.5 in.	Yes	Yes	Yes	Center Scan	Yes	3 in	No
MultiScanner OneStep	1.5 in.	Yes	Yes	Yes	Center Scan	Yes	3 in	Yes
MultiScanner Pro SL	1.5 in.	Yes	Yes	Yes	Yes	Yes	3 in	Yes
<u>MT6</u>		Yes		Yes			6 in	

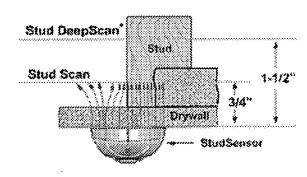
Glossary of Terms

StudScan Depth

Normal mode

detects wood or metal through up to 3/4 inch of drywall.

Selectable DeepScan®



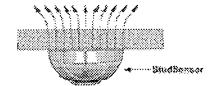
Models with

DeepScan® can detect wood or metal studs and joists up to 1-½ inches deep. An indicator light tells you when DeepScan is active.

A TO TOP

TruCal®

TruCal® technology provides instant and accurate one-touch calibration each time the tool is used, ensuring accuracy for each and



Straight-Line Lasers



LASERMARK'
Accessories

Magna-Trak Magnetic Locators

(click here)



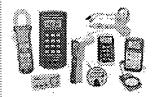
Measuring Tapes



Measuring Wheels & Paint Marking Systems



Specialty Calculators & Measuring Devices



Test Equipment



every job.

TruCal calibrates your ZIrcon electronic tool to the particular surface you want to scan.

When you place the StudSensor against the wall and turn it on, it emits an electric field. The internal circuitry detects how much time it takes for the wall material under the StudSensor to reach a certain voltage. The circuitry then sets this as the zero level of capacitance, and the StudSensor is now calibrated.

▲ TO TOP

Over-the-Stud Warning

If a StudSensor is inadvertently calibrated over a stud, it will intermittently beep and blink. Simply move the StudSensor several inches to the left or right and try again.

& TO TOP

Audio Indicator

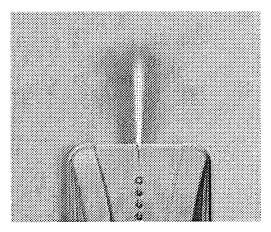
When your StudSensor detects a stud edge (or other targeted material), it emits a continuous audio tone. An intermittent beeping tells you that you've accidentally calibrated directly over a stud.

& TO TOP

SpotLite™ Pointing System

This revolutionary feature projects a beam of light over a target when it is found, adding another measure of confidence to any scanning task.

All SpotLite products feature a single button that turns the units on and triggers the TruCal instant calibration before each use. A separate



LED illuminates when calibration is completed, a process that takes only a fraction of a second.

A TO TOP